

Technology Focus Areas



Source: Rural ITS User Needs, 1999

Crash Prevention & Security

User Needs

- Collision Avoidance
- Roadway Geometrics
- Roadway Weather Information Systems
- Work Zone Control/Advisory System



Crash Prevention & Security (Cont)

More User Needs

- Highway-Rail Intersection Crossings
- Vehicle Pre-Emption
- Security
- Data Sharing



Source: Rural ITS User Needs, 1999

Emergency Services

User Needs

- Response Information
- En-Route Services Information
- Emergency Assistance
- System Operational Effectiveness



Traffic Management

User Needs

- Advisory Information
- Traffic Control



Source: Rural ITS User Needs, 1999

Traffic Management (Cont)

More User Needs

- Enforcement
- Economic Development/Environmental Protection
- Data Sharing



Source: Rural ITS User Needs, 1999

Transit & Mobility

User Needs

- Transit Management
- Traveler Information



Source: Rural ITS User Needs, 1999

Transit & Mobility (Cont)

More User Needs

- Electronic Fare Payment
- Data Sharing
- System Operational Effectiveness



Operations & Maintenance

User Needs

- Infrastructure Management
- Roadway Condition Monitoring
- Safety Management
- System Maintenance Effectiveness



Operations & Maintenance (Cont)



More User Needs

- System Operations Effectiveness
- Security
- Public Fleet Management
- Data Collection & Sharing

Travel & Tourism

User Needs

- Advisory Information
- En-Route Services Information
- Emergency Assistance



Tourism & Travel (Cont)

More User Needs

- Transit Information
- Economic Development
- Data Sharing



Source: Rural ITS User Needs, 1999

Surface Transportation Weather

User Needs

- Advisory Information
- System Operational Effectiveness
- En-Route Services Information
- Leveraging Weather Information to Cost Containment, Profitability & Safe Operations/Travel
- Data Sharing

